

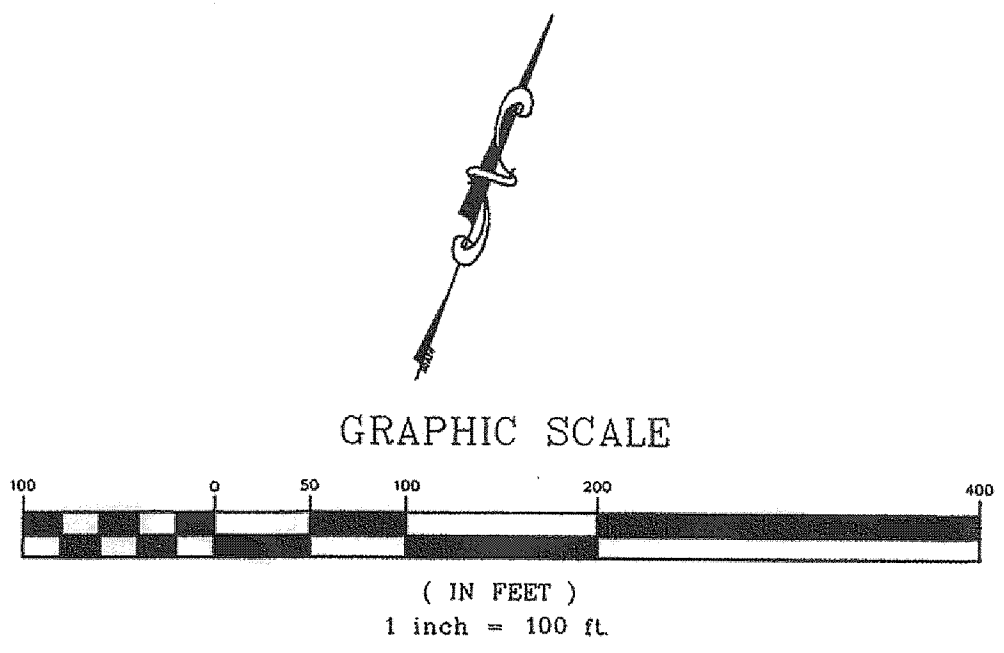
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9-14-12

LEGEND

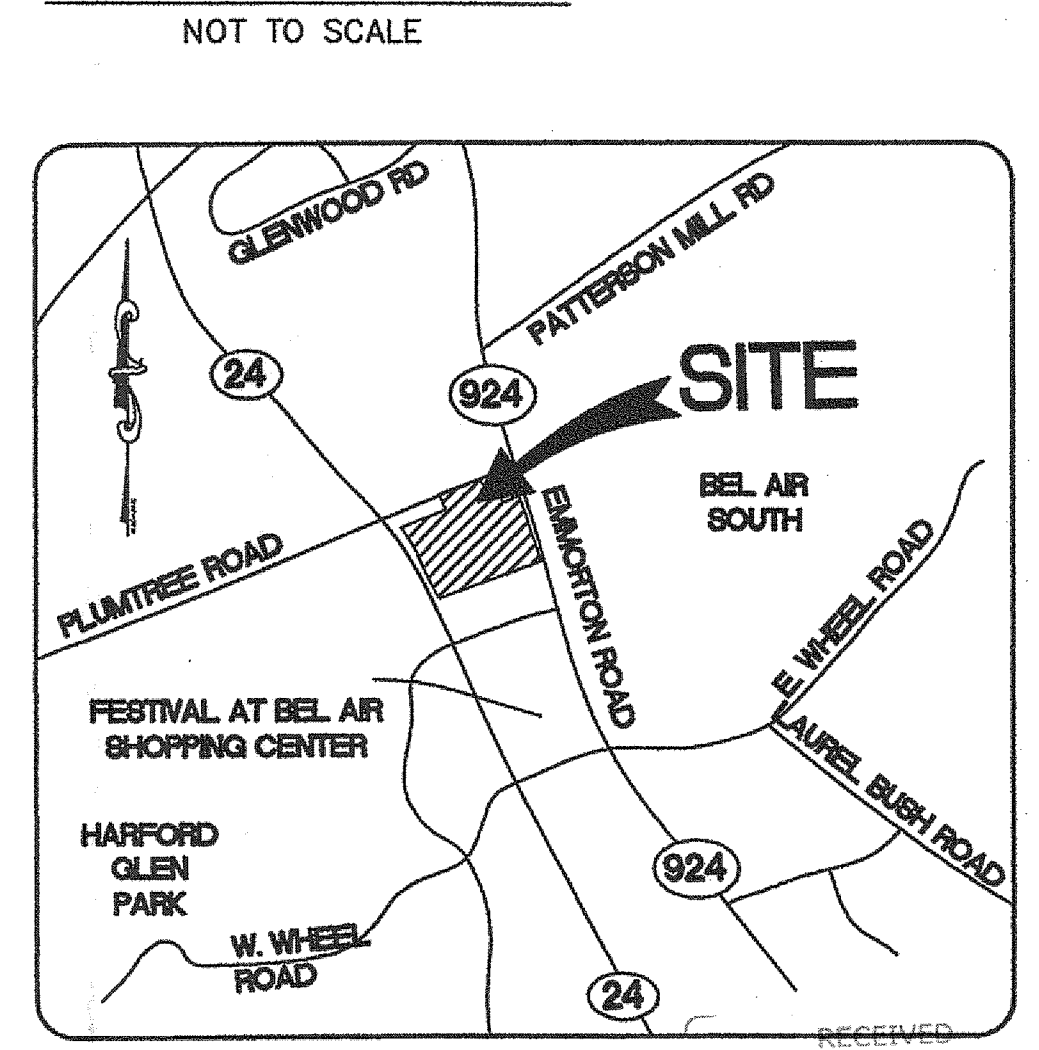
- EXISTING TREELINE
- PROPOSED TREELINE
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED TREE PROTECTION FENCE
- PROPOSED ROOT PRUNING TRENCH
- PROPOSED MAJOR DECIDUOUS TREE
- PROPOSED MINOR DECIDUOUS TREE
- PROPOSED EVERGREEN TREE
- PROPOSED SHRUB
- FOREST RETENTION AREA - LOW PRIORITY (20,509 S.F. OR .47 ACRES)
- PROPOSED BIORETENTION FACILITY

SITE DATA / NOTES

- DEVELOPER: WALMART REAL ESTATE BUSINESS TRUST
2001 SOUTHEAST 10TH STREET
BENTONVILLE, AR 72716-0550
- OWNER: EVERGREEN BUSINESS TRUST
2231 CONOWINGO ROAD
BEL AIR, MD 21015
- PREPARED BY: BOWMAN CONSULTING GROUP, LTD.
14020 THUNDERBOLT PLACE
CHANTILLY, VA 20151
- SITE DATA: TAX MAP #: 56
PARCEL #: 56
60 TRACT A
60 TRACT B
DEED REFERENCE: 07265/00121
- EXISTING ZONING: B-3
- SITE/TRACT AREA: 33.72 AC.
- BOUNDARY SURVEY PREPARED BY BOWMAN CONSULTING GROUP, LTD., NOVEMBER, 2010
- TOPOGRAPHIC SURVEY PREPARED BY BOWMAN CONSULTING GROUP, LTD., NOVEMBER, 2010
- THERE IS AN EXISTING WATER AND OVERHEAD UTILITY EASEMENT LOCATED ON THE PROPERTY ALONG PLUMTREE ROAD.
- THE PROPERTY IS NOT LOCATED WITHIN A NATURAL RESOURCE DISTRICT.
- THE PROPERTY NOT LOCATED WITHIN THE HARFORD COUNTY CHESAPEAKE BAY CRITICAL AREA OVERLAY DISTRICT.
- THERE ARE NO KNOWN PERENNIAL OR INTERMITTENT STREAMS OR ASSOCIATED BUFFERS ON THE PROPERTY.
- THERE IS NO KNOWN 100-YEAR FLOODPLAIN OR ASSOCIATED BUFFERS ON THE PROPERTY.
- THERE ARE NO KNOWN JURISDICTIONAL NONTIDAL WETLANDS OR ASSOCIATED BUFFERS ON THE PROPERTY.
- BASED ON MARYLAND'S ENVIRONMENTAL RESOURCES & LAND INFORMATION NETWORK (MERLIN), THE SUBJECT PROPERTY IS NOT LOCATED WITHIN A CRITICAL AREA. THERE WERE NO SENSITIVE HABITATS OR OCCURRENCES OF RARE, THREATENED OR ENDANGERED SPECIES OBSERVED ON OR IN THE VICINITY OF THE PROPERTY.
- THERE ARE NO KNOWN NATIONAL, STATE AND/OR COUNTY CHAMPION TREES ON THE PROPERTY.
- THERE ARE NO KNOWN HISTORICAL AREAS PRESENT ON THE PROPERTY.



VICINITY MAP



WORKSHEET

Business Use		
Gross Acreage of Parcel		33.720 ac.
Unforested 100-year Floodplain		
Agricultural Land to Remain		
Chesapeake Bay Critical Area		
Exempted Electric Public Utility R/W		
Exempted Underground Public Utility R/W		0.050 ac.
Other		2.110 ac.
Net Tract Area		31.560 ac.
Existing Forest		29.550 ac.
Afforestation Threshold		15% 4.734 ac.
Conservation Threshold		15% 4.734 ac.
Required Afforestation		Not Required
Break Even Point		
Maximum Forest To Clear, Resulting in 0.0 Reforestation		19.853 ac.
Minimum Forest To Remain, Resulting in 0.0 Reforestation		9.897 ac.
Proposed Clearing		29.080 ac.
Forest To Remain		0.470 ac.
Reforestation Requirement		
Forest Removed Below FC Threshold		4.264 ac.
2:1 Reforestation Requirement		8.528 ac.
Forest Removed Above FC Threshold		24.816 ac.
1/4:1 Reforestation Requirement		6.204 ac.
Total Reforestation Required		14.732 ac.
Forest Credit		0.000 ac.
Net Reforestation Required		14.732 ac.
Net Unused Credit		0.000 ac.
Total Planting Required		14.732 ac.

REFORESTATION/
LANDSCAPING REPORT:

PER THE FOREST CONSERVATION WORKSHEET, 29.55 ACRES OF FORESTED NET TRACT AREA WILL REQUIRE 14.732 ACRES (15%) OF REFORESTATION TO SATISFY HARFORD COUNTY FOREST CONSERVATION REQUIREMENTS.

PER TABLE 4.14.1 IN THE HARFORD COUNTY FOREST COVER CONSERVATION AND REPLACEMENT MANUAL, A MAXIMUM OF 20% (2.95 ACRES) OF THE TOTAL FOREST CONSERVATION REQUIREMENT CAN BE SATISFIED BY INDIVIDUAL TREE PLANTING FOR A BUSINESS USE SITE BETWEEN 20-50 ACRES.

REFORESTATION REQUIREMENTS ARE TO BE MET WITH A COMBINATION OF ONSITE FOREST RETENTION (.47 ACRES), ONSITE INDIVIDUAL TREE LANDSCAPING CREDIT (2.95 ACRES) AND OFFSITE FOREST CONSERVATION BANKING (11.312 ACRES).

INDIVIDUAL TREE LANDSCAPING CREDIT CALCULATIONS ARE TO BE PROVIDED WITH THE FINAL FOREST CONSERVATION PLAN, SEE SHEET 2 FOR RECOMMENDED PLANT LIST.

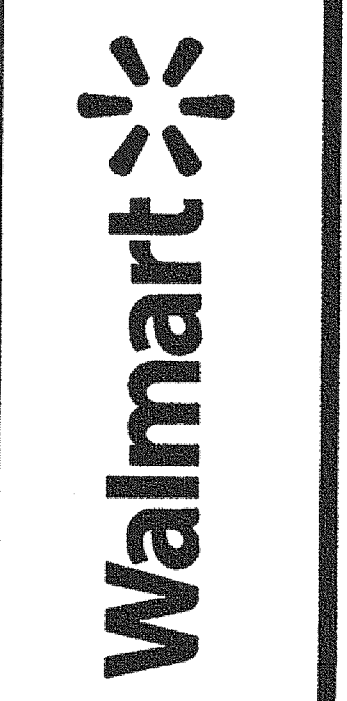
PRELIMINARY
FOREST CONSERVATION
PLAN (1 OF 2)

REVISIONS	BY

Bowman
CONSULTING
Bowman Consulting Group, Ltd.
14020 Thunderbolt Place
Suite 300
Chantilly, Virginia 20151
Telephone: (703) 464-1000
Fax: (703) 461-9720
www.bowmanconsulting.com



WALMART #2009-04
BEL AIR, HARFORD COUNTY, MARYLAND
WAL-MART STORES, INC.
2001 SE 10TH STREET
BENTONVILLE, AR 72716



DESIGN DRAWN
GE JI/GE
CHECKED
GE
DATE
8/29/12
SCALE
1"=100'
JOB NO.
4859-D1-002
SHEET
1
OF 2 SHEETS

SUGGESTED PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	HEIGHT	CALIPER	CONDITION/REMARKS
LARGE DECIDUOUS TREES					
AR	ACER RUBRUM	RED MAPLE		2" CAL. MIN.	B&B
GT	GLEDETIA TRICANTHOS	THORNLESS HONEY LOCUST		2" CAL. MIN.	B&B
PA	PLATANUS X ACERIFOLIA	LONDON PLANETREE		2" CAL. MIN.	B&B
QP	QUERCUS PALustris	PIN OAK		2" CAL. MIN.	B&B
QH	QUERCUS PHELLOS	WILLOW OAK		2" CAL. MIN.	B&B
QR	QUERCUS RUBRA	RED OAK		2" CAL. MIN.	B&B
TD	TILIA CORDATA	LITTLELEAF LINDEN		2" CAL. MIN.	B&B
UL	ULMUS PARVIFOLIA	CHINESE ELM		2" CAL. MIN.	B&B
ZS	ZELKOYA SERVATA	JAPANESE ZELKOYA		2" CAL. MIN.	B&B
SMALL DECIDUOUS TREES					
AA	AMELANCHIER ARBOREA	SERVICEBERRY		2" CAL. MIN.	B&B
CK	CORNUS KOLSA	KOLSA DOGWOOD		2" CAL. MIN.	B&B
CC	CRATAEGUS CRUGGALLI VAR. INERMIS	THORNLESS COCKSPUR HAWTHORN		2" CAL. MIN.	B&B
LD	LAGERSTROEMIA INDICA	CRABE MYRTLE		2" CAL. MIN.	B&B
MS	MALUS SNOWDRIFT	SNOWDRIFT CRABAPPLE		2" CAL. MIN.	B&B
MV	MAGNOLIA VIRGINIANA	SWEETBAY MAGNOLIA		2" CAL. MIN.	B&B
LARGE EVERGREEN TREES					
CL	CUPRESSOCYPARIS LEYLANDII	LEYLAND CYPRESS	8'-10' MIN.		B&B
JV	JUNIPERUS VIRGINIANA	EASTERN REDCEDAR	8'-10' MIN.		B&B
PS	PINUS STROBUS	WHITE PINE	8'-10' MIN.		B&B
TS	TSLUGA CANADENSIS	CANADIAN HEMLOCK	8'-10' MIN.		B&B
SHRUBS					
AA	ARONIA ARBUTIFOLIA	RED CHOKEBERRY	24"-30"		CONT.
CA	CLETHRA ALNIFOLIA	SWEET PEPPERBUSH	24"-30"		CONT.
CS	CORNUS STOLONIFERA	REDOSIER DOGWOOD	24"-30"		CONT.
IG	ILEX GLABRA	INKBERRY HOLLY	24"-30"		CONT.
IT	ILEX VIRGINICA	VIRGINIA SWEETSPICE	24"-30"		CONT.
IV	ILEX VERTICILLATA	WINTERBERRY	24"-30"		CONT.
JS	JUNIPERUS CHINENSIS 'PITZERIAN'	PITZER JUNIPER	24"-30"		CONT.
KL	KALAMIA LATIFOLIA	MOUNTAIN LAUREL	24"-30"		CONT.
MP	MYRTICA PENNSYLVANICA	NORTHERN BAYBERRY	24"-30"		CONT.
PL	PRUNUS LAUROCERASUS 'SCHIPKAENSIS'	CHERRY LAUREL	24"-30"		CONT.
RR	ROSA 'RADRAZ'	KNOCKOUT ROSE	24"-30"		CONT.
VP	VIBURNUM X PRAGENSE	PRAGUE VIBURNUM	24"-30"		CONT.

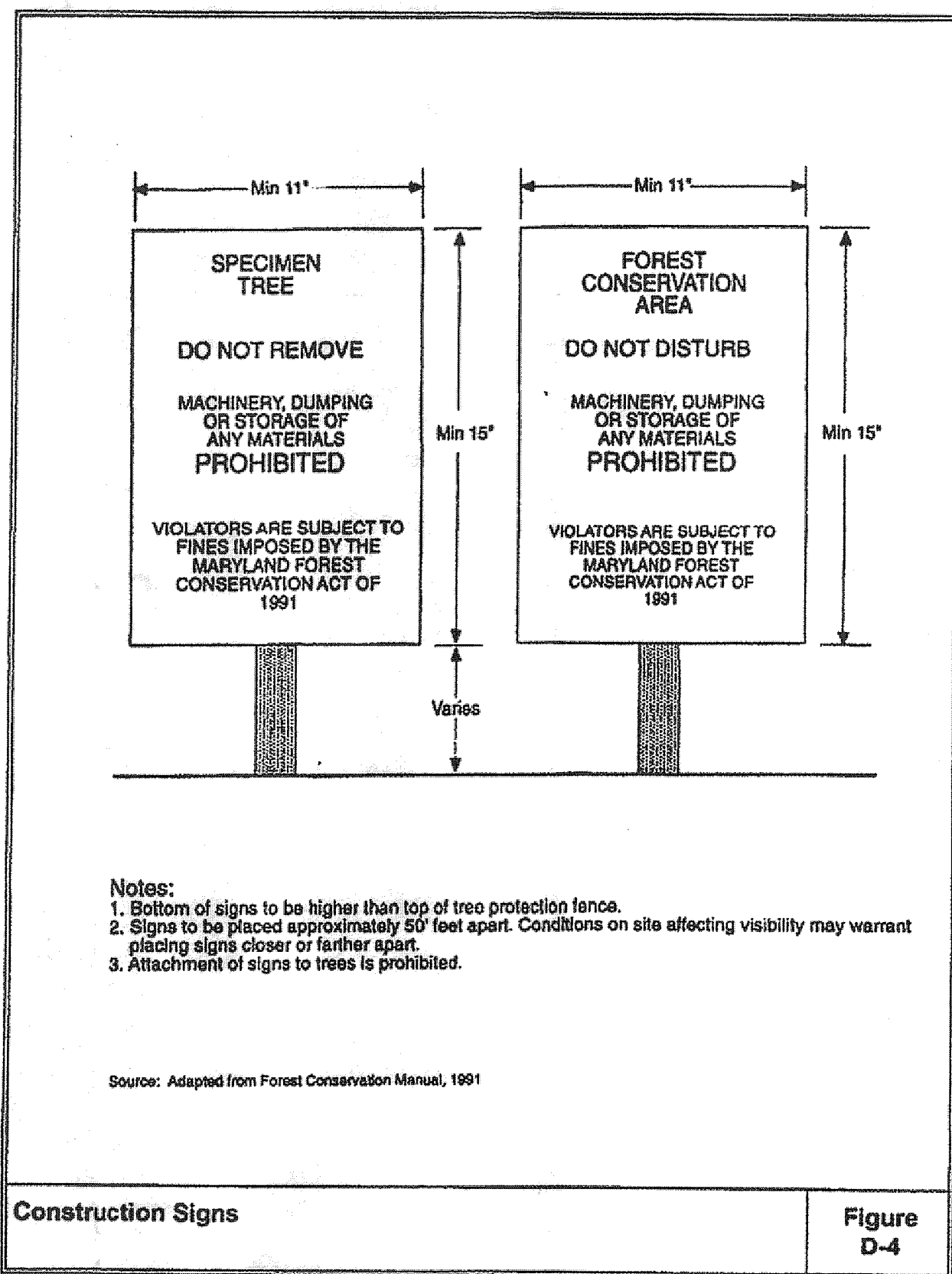
TREE CONSERVATION PROCEDURES

PRE-CONSTRUCTION:

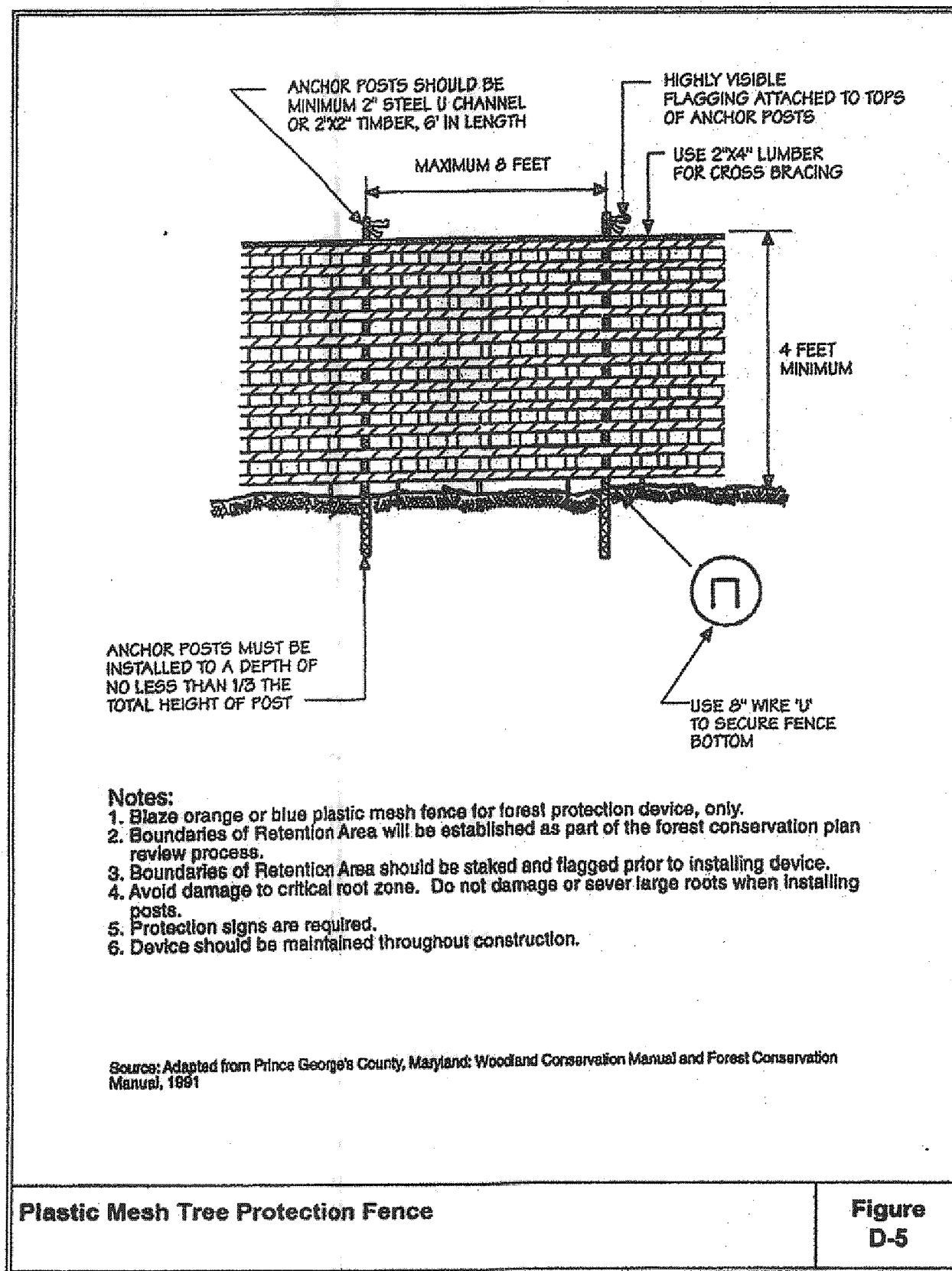
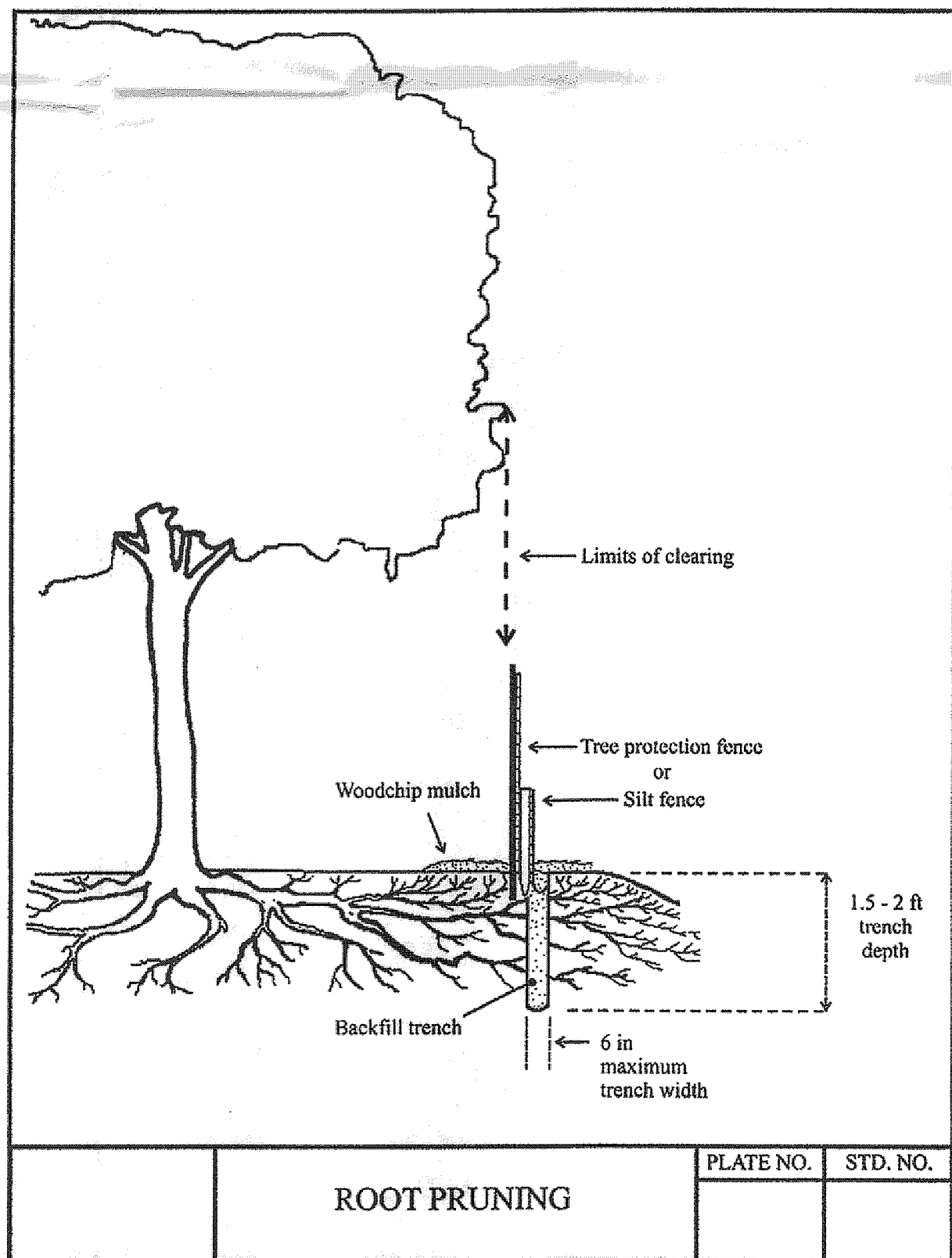
- FOREST RETENTION AREAS THAT ARE TO BE PROTECTED FROM CONSTRUCTION ACTIVITIES SHALL BE IDENTIFIED AT THE CONSTRUCTION SITE.
- PRIOR TO CONSTRUCTION, BLAZE ORANGE PLASTIC MESH TREE PROTECTION FENCE (SEE DETAIL) SHALL BE PLACED ALONG THE LIMITS OF DISTURBANCE AND SHALL BE USED TO PROTECT TREES AND FORESTED AREAS AS SPECIFIED ON THE PLAN.
- AFTER FENCE HAS BEEN INSTALLED, AN 18"-24" ROOT PRUNING TRENCH SHALL BE DUG ALONG THE LIMITS OF DISTURBANCE (SEE DETAIL). ANY LARGE ROOTS (GREATER THAN 1") THAT ARE FOUND WHILE TRENCHING NEAR TREES ARE TO BE CUT BY HAND TO MINIMIZE IMPACT ON TREES TO BE PRESERVED.
- FOREST RETENTION AREA SIGNS (SEE DETAIL) SHALL BE POSTED AT A MAXIMUM 150 FOOT INTERVAL ALONG THE RETENTION EDGE. ATTACHMENT OF SIGNS TO THE TREES IS PROHIBITED.

CONSTRUCTION:

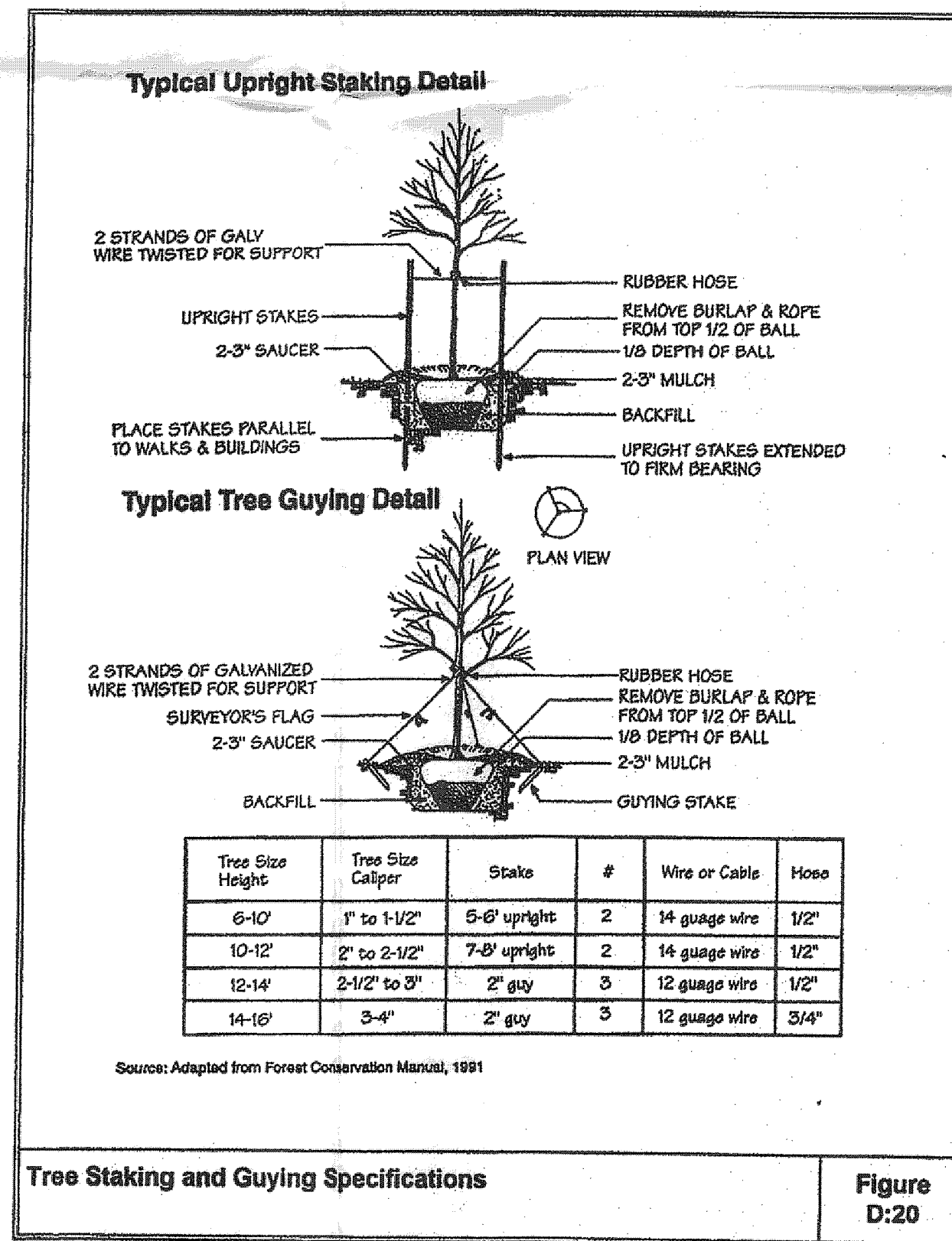
- TREES AND FORESTED AREAS SHALL BE PROTECTED AND MANAGED BY A LICENSED TREE CARE PROFESSIONAL DURING ALL PHASES OF CONSTRUCTION.
 - TREES AND FORESTED AREAS SHALL BE PROTECTED AND MANAGED DURING ALL PHASES OF CONSTRUCTION IN A MANNER THAT WILL ENSURE THAT THESE RESOURCES CONFORM TO POST-DEVELOPMENT TREE AND FORESTED AREA STANDARDS AT THE END OF CONSTRUCTION. THESE STANDARDS REQUIRE THAT TREES SURVIVE CONSTRUCTION IN A MANNER THAT SUBSTANTIALLY RETAINS THEIR PRE-DEVELOPMENT LEVEL OF BIOLOGICAL FUNCTION, HEALTH AND STRUCTURAL CONDITION; AND REQUIRE THAT FORESTED AREAS SURVIVE CONSTRUCTION IN A MANNER THAT PRESERVES THE ECOLOGICAL FUNCTIONALITY, HEALTH, AND CONDITION OF SUPER- AND SUB-CANOPY TREE SPECIES; WOODY SHRUBS, HERBACEOUS PLANTS, VINES, NONVASCULAR PLANTS AND EPiphyTES; DECAYING LEAF LITTER, ROOT MASS, FUNGI, SOIL BIOTA AND SOIL CONDITIONS THAT MAY BE PRESENT.
 - IN ADDITION TO PROTECTING TREES, THE PERMITTEE SHALL PROTECT ALL UNDERSTORY PLANTS, LEAF LITTER AND SOIL CONDITIONS FOUND IN FORESTED AREAS DESIGNATED TO BE LEFT PRESERVED EXCEPT AS MAY BE ALLOWED BY THE APPROVED TREE PRESERVATION PLAN AND NARRATIVE.
 - THE PERMITTEE SHALL ACTIVELY MONITOR THE CONSTRUCTION SITE TO ENSURE THAT INAPPROPRIATE ACTIVITIES SUCH AS THE STORAGE OF CONSTRUCTION MATERIALS, DUMPING OF CONSTRUCTION DEBRIS, AND TRAFFIC BY CONSTRUCTION EQUIPMENT AND PERSONNEL DO NOT OCCUR WITHIN AREAS SHOWN TO BE PRESERVED OUTSIDE OF THE LIMITS OF CLEARING.
 - ANY WORK THAT IS TO OCCUR ADJACENT TO TREES OR WITHIN FORESTED AREAS TO BE PRESERVED, SUCH AS INSTALLATION OF TREE PROTECTION FENCE; REMOVAL OF TRASH OR DEBRIS; OR EXTRACTION OF TREES DESIGNATED TO BE REMOVED IN A MANNER THAT MINIMIZES DAMAGE TO TREES, UNDERSTORY SHRUBS, HERBACEOUS PLANTS, LEAF LITTER, ROOTS SYSTEMS AND SOIL CONDITIONS.
 - THE PERMITTEE SHALL RESTORE UNDERSTORY PLANT MATERIALS, LEAF LITTER AND SOIL CONDITIONS TO THE SATISFACTION OF THE COUNTY IF THESE ARE FOUND TO BE DAMAGED, REMOVED OR ALTERED IN A MANNER NOT SPECIFICALLY ALLOWED BY THE PROVISIONS OF THIS CHAPTER OR NOT SPECIFICALLY ADDRESSED WITHIN THE APPROVED TREE PRESERVATION PLAN AND NARRATIVE.
 - TREE PROTECTION DEVICES SHALL BE MAINTAINED UNTIL ALL WORK IN THE VICINITY HAS BEEN COMPLETED AND SHALL NOT BE REMOVED OR RELOCATED WITHOUT THE CONSENT OF THE COUNTY. IF THE COUNTY DEEMS THAT THE PROTECTIVE DEVICES ARE INSUFFICIENT, INSTALLATION OF ADDITIONAL PROTECTIVE DEVICES SHALL BE REQUIRED.
 - HEAVY EQUIPMENT, VEHICULAR TRAFFIC, STOCKPILING OF MATERIALS OR DEPOSITION OF SEDIMENT SHALL NOT BE PERMITTED WITHIN TREE PRESERVATION AREAS.
 - ANY POWER EQUIPMENT USE PRESCRIBED WITHIN TREE PRESERVATION AREAS SHALL BE LIMITED TO SMALL HAND-OPERATED EQUIPMENT SUCH AS CHAINSAWS.
 - ANY WORK WITHIN TREE PRESERVATION AREAS REQUIRING THE USE OF LARGER MOTORIZED EQUIPMENT SUCH AS, BUT NOT LIMITED TO, TREE TRANSPLANTING SPADES, SKID LOADERS, TRACTORS, TRUCKS, STUMP-GRINDERS, OR ANY ACCESSORY OR ATTACHMENT CONNECTED TO SUCH EQUIPMENT SHALL NOT OCCUR UNLESS APPROVED IN WRITING BY THE COUNTY, OR UNLESS THE ACTIVITY HAS BEEN SPECIFICALLY ADDRESSED.
 - NO TOXIC MATERIALS SHALL BE STORED WITHIN 100 FEET (30.5 METERS) OF VEGETATION TO BE RETAINED.
 - NO PROTECTIVE DEVICES, SIGNS, UTILITY BOXES OR OTHER OBJECTS SHALL BE NAILED OR AFFIXED TO TREES TO BE PRESERVED.
 - IN THE EVENT THAT THE COUNTY DETERMINES THAT A TREE OR PORTION THEREOF IS DEAD, DECLINING, HAZARDOUS, OR A PROPERTY MAINTENANCE BURDEN DUE TO CONSTRUCTION OR ENVIRONMENTAL CHANGES RESULTING FROM CONSTRUCTION; OR, IS HAZARDOUS TO LIFE OR PROPERTY BECAUSE OF CONDITIONS NOT RELATED TO CONSTRUCTION, THE COUNTY SHALL REQUIRE THE PERMITTEE TO REMOVE THE TREE OR PORTION THEREOF. THE PERMITTEE SHALL TAKE SUCH ACTION AS NECESSARY TO ELIMINATE THE TREE OR PORTION THEREOF CAREFULLY. THE PERMITTEE SHALL NOTIFY THE COUNTY OF ANY ACTIONS TAKEN OR PROPOSED TO BE TAKEN UNDER THIS SECTION.
 - THE MAIN TRUNKS OF DEAD TREES MAY BE ALLOWED TO REMAIN ON SITES WHERE THE COUNTY DETERMINES THAT A "TRUNK SNAG" MAY PROVIDE HABITAT OR OTHER WILDLIFE BENEFITS AND HAVE LITTLE OR NO POTENTIAL TO CAUSE PERSONAL INJURY OR PROPERTY DAMAGE, OR TO OBSTRUCT STREAMS OR OTHER DRAINAGE.
 - WHEN EXCAVATING, TRENCHING, OR TUNNELING, ALL TREE ROOTS GREATER THAN 1 INCH IN DIAMETER THAT ARE EXPOSED AND/OR DAMAGED SHALL BE TRIMMED CLEANLY, AND COVERED WITH ORGANIC MULCH, TOPSOIL, OR OTHER SUITABLE MATERIAL TO PREVENT THE EXPOSED ROOTS FROM DRYING OUT.
 - ANY DAMAGE INFLECTED TO THE ABOVE OR BELOW-GROUND PORTIONS OF THE TREES SHOWN TO BE PRESERVED SHALL BE REPAIRED IMMEDIATELY. ALL DAMAGED BRANCHES IN THE CROWN SHALL BE REPAIRED.
- POST-CONSTRUCTION:**
- THE DEVELOPER SHALL REQUEST AN INSPECTION WHEN CONSTRUCTION IS COMPLETED TO ENSURE THAT ALL WORK IS IN ACCORDANCE WITH THE APPROVED PLANS.
 - ALL TREES THAT ARE DEAD OR HAVE BEEN DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITY SHALL BE REMOVED OR REPAIRED.



D - 5



D - 21



PRELIMINARY FOREST CONSERVATION PLAN (2 OF 2)

REVISIONS	BY

Bowman
CONSULTING
Telephone: (703) 464-1000
Fax: (703) 464-0720
www.bowmanconsulting.com
Bowman Consulting Group, Ltd.
14020 Thunderbolt Place
Suite 300
Chantilly, Virginia 20151



WALMART #2009-04
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Walmart

DESIGN DRAWN
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SHEET
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OF 2 SHEETS